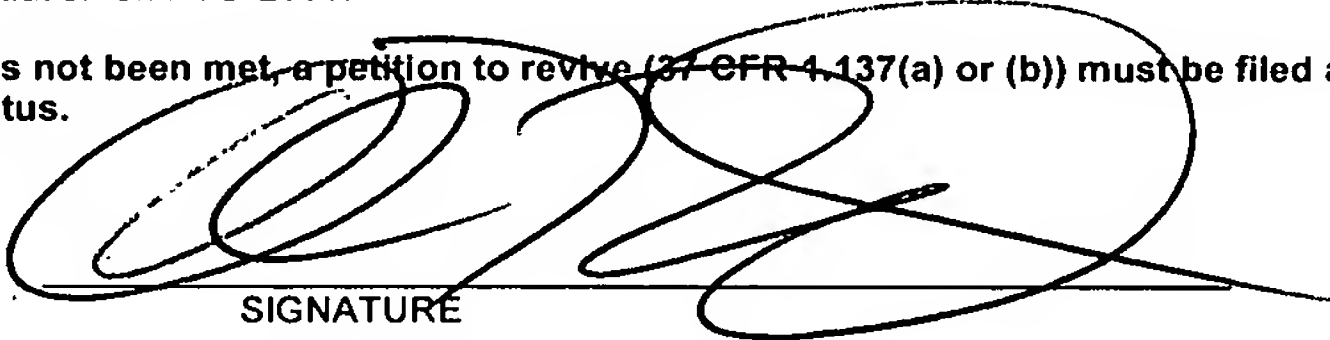


<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		CUSTOMER NO. 22,852 ATTORNEY'S DOCKET NUMBER 10084.0017
INTERNATIONAL APPLICATION NO. PCT/JP2005/001574	INTERNATIONAL FILING DATE February 3, 2005	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/588,451
TITLE OF INVENTION PEPTIDYL ARGININE DEIMINASE TYPE IV INHIBITOR		PRIORITY DATE CLAIMED February 4, 2004
APPLICANT(S) FOR DO/EO/US Mamoru SATO, Toshiyuki SHIMIZU, Hiroshi HASHIMOTO, Michiyuki YAMADA, and Yuji HIDAKA		
Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed with the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)) filed on October 12, 2005 and April 5, 2006.</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> Information Disclosure Statement under 37 CFR 1.97 and 1.98</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A Substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154 (d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:           <div style="margin-left: 20px;">             CERTIFICATE UNDER 37 CFR § 1.10 OF MAILING BY "EXPRESS MAIL" I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated below and is addressed to the Mail Stop PCT Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. DATE: April 27, 2007. EXPRESS MAIL LABEL NO. EV 943 276 665 US              by Elizabeth Nesbitt           </div> </li> </ol>		
<ol style="list-style-type: none"> <li>a. <input type="checkbox"/></li> <li>b. <input type="checkbox"/></li> <li>c. <input type="checkbox"/></li> <li>d. <input type="checkbox"/></li> </ol>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/588,451		INTERNATIONAL APPLICATION NO. PCT/JP2005/001574		ATTORNEY'S DOCKET NUMBER 10084.0017	
The following fees have been submitted:				<b>CALCULATIONS</b>	<b>PTO Use Only</b>
21. <input type="checkbox"/> BASIC NATIONAL FEE (37 CFR 1.492(a)): .....\$300.00				\$00.00	
22. <input type="checkbox"/> Examination fee (37CFR 1.492(c))				\$00.00	
If the Written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....\$0					
All other situations .....\$200					
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))				\$00.00	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .....\$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB .....\$400					
All other situations .....\$500					
<b>TOTAL of 21, 22 and 23 =</b>				\$00.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate		
59- 100 =	/50=		x \$250.00		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	12 - 20 =		x \$50.00	\$	
Independent Claims	3 - 3 =		x \$200.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$360.00		
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$00.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$00.00	
<input checked="" type="checkbox"/> Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest priority date (37 CFR 1.492(i)).				\$130.00	
<b>TOTAL NATIONAL FEE =</b>				\$00.00	
<input checked="" type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				\$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>				\$170.00	
05/01/2007 MKAYPAGH 00000081 10588451				Amount to be refunded:	\$
01 FC:1617 130.00 DP				charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 170.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-0916. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p><b>SEND ALL CORRESPONDENCE TO:</b></p> <p>Finnegan, Henderson, Farabow, Garrett &amp; Dunner, L.L.P. 901 New York Avenue, N.W. Washington, DC 20001-4413</p> <p>DATED: April 27, 2007</p> <div style="text-align: center;">         SIGNATURE        Chris T. Mizumoto Reg. No. 42,899        NAME/REGISTRATION NUMBER     </div>					



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/588,451	Mamoru Sato	10084.0017

INTERNATIONAL APPLICATION NO.
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PCT/JP05/01574

I.A. FILING DATE	PRIORITY DATE
02/03/2005	02/04/2004

22852

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER  
LLP901 NEW YORK AVENUE, NW  
WASHINGTON, DC 20001-4413**RECEIVED**

APR 20 2007

CONFIRMATION NO. 2779

371 FORMALITIES LETTER



\*OC000000023419114\*

Date Mailed: 04/18/2007

Finnegan, Henderson, Farabow,  
Garrett & Dunner, L.L.P.

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 08/04/2006
- English Translation of the IA filed on 08/04/2006
- Copy of the International Search Report filed on 08/04/2006
- Copy of IPE Report filed on 08/04/2006
- Copy of Annexes to the IPER filed on 08/04/2006
- English Translation of Annexes to the IPE filed on 08/04/2006
- Preliminary Amendments filed on 08/04/2006
- Information Disclosure Statements filed on 08/04/2006
- Biochemical Sequence Diskette filed on 08/04/2006
- Biochemical Sequence Listing filed on 08/04/2006
- U.S. Basic National Fees filed on 08/04/2006
- Priority Documents filed on 08/04/2006
- Specification filed on 08/04/2006
- Claims filed on 08/04/2006
- Abstracts filed on 08/04/2006
- Drawings filed on 08/04/2006
- Paper nucleotide sequence listings filed on 08/04/2006

Docketed 4/28/07 JBF/CTM/USD  
Case 10084-0017 Attorney  
Due Date 6/18/07 w/EXT.  
Action DEC 18/07 SURCH  
By J.L.

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** Surcharge.

Additionally the following defects have been observed:

- Annexes have not been entered because not a page for page substitution.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

TAMALA D HOLLAND

Telephone: (703) 308-9140 EXT 209

#### PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/588,451	PCT/JP05/01574	10084.0017